

How can bacteria be good?

1. In our bodies
2. Medicine
3. Food
4. Provide oxygen
5. Decomposer
6. bioremediation -- clean up Earth's land and water

How can bacteria be bad?

1. Spoils food
2. Pathogen
 - a. Examples: salmonella, strep throat, e. coli

pathogen – organism that causes disease

antibiotic -- medicine used to kill bacteria

Characteristics of Viruses:

- Considered both living and nonliving.
 - A. Living = can reproduce.
 - B. Nonliving = can not grow or respond.
- Can only reproduce (copies DNA) in living cells.
- Needs a host -- organism that a virus lives in or on
- Structure = genetic material + capsid (protein coat).

Viral Reproduction Steps with Diagram:

Step 1: Virus attaches



Step 2: Virus injects genetic material



Step 3A: Genetic material takes over

Step 3B: Produces viruses' genetic material



Step 4: New virus made



Step 5: Virus bursts out and moves elsewhere



Examples of viruses: Flu, chicken pox, AIDs, MMR, scarlet fever, etc...

5 ways to transmit diseases: air, water, parasite (carrier), spoiled/uncooked food, body fluids